For Research Use Only

MAOA Polyclonal antibody

Catalog Number:10539-1-AP Featured Product 46 Publications

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Basic Information

Catalog Number:
10539-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0821

GenBank Accession Number:
BC008064

GeneID (NCBI):
4128

UNIPROT ID:
P21397

Full Name:
monoamine oxidase A

Calculated MW:
60 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:5000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:300-1:1200

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human

Cited Species:
human, mouse, rat, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : LNCaP cells, human placenta tissue

IP : LNCaP cells,

IHC : human pancreas cancer tissue,

Background Information

MAOA belongs to the flavin monoamine oxidase family. It catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochao Tan	32931483	J Clin Invest	
Odetta Antico	34767452	Sci Adv	WB
Yinrui Guo	34045460	Transl Psychiatry	WB

Storage

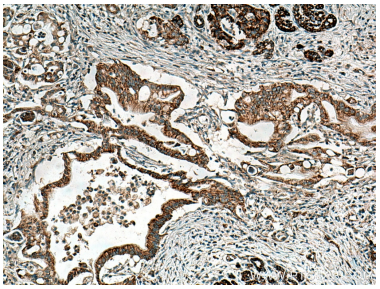
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

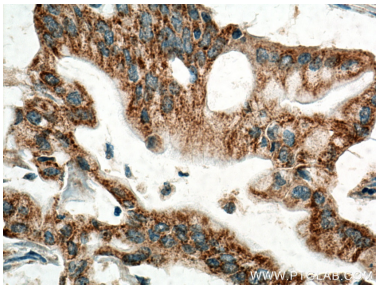
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

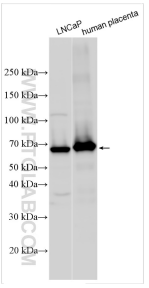
Selected Validation Data



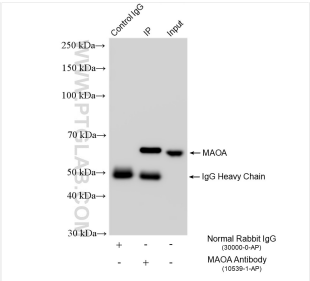
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10539-1-AP (MAOA antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



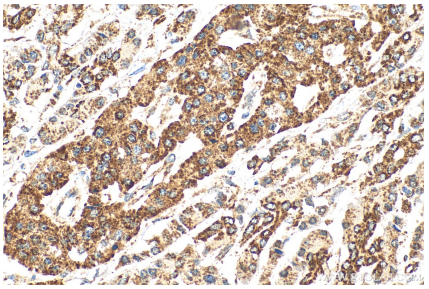
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10539-1-AP (MAOA antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 10539-1-AP (MAOA antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-MAOA (IP:10539-1-AP, 4ug; Detection:10539-1-AP 1:5000) with LNCaP cells lysate 880 ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10539-1-AP (MAOA antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).